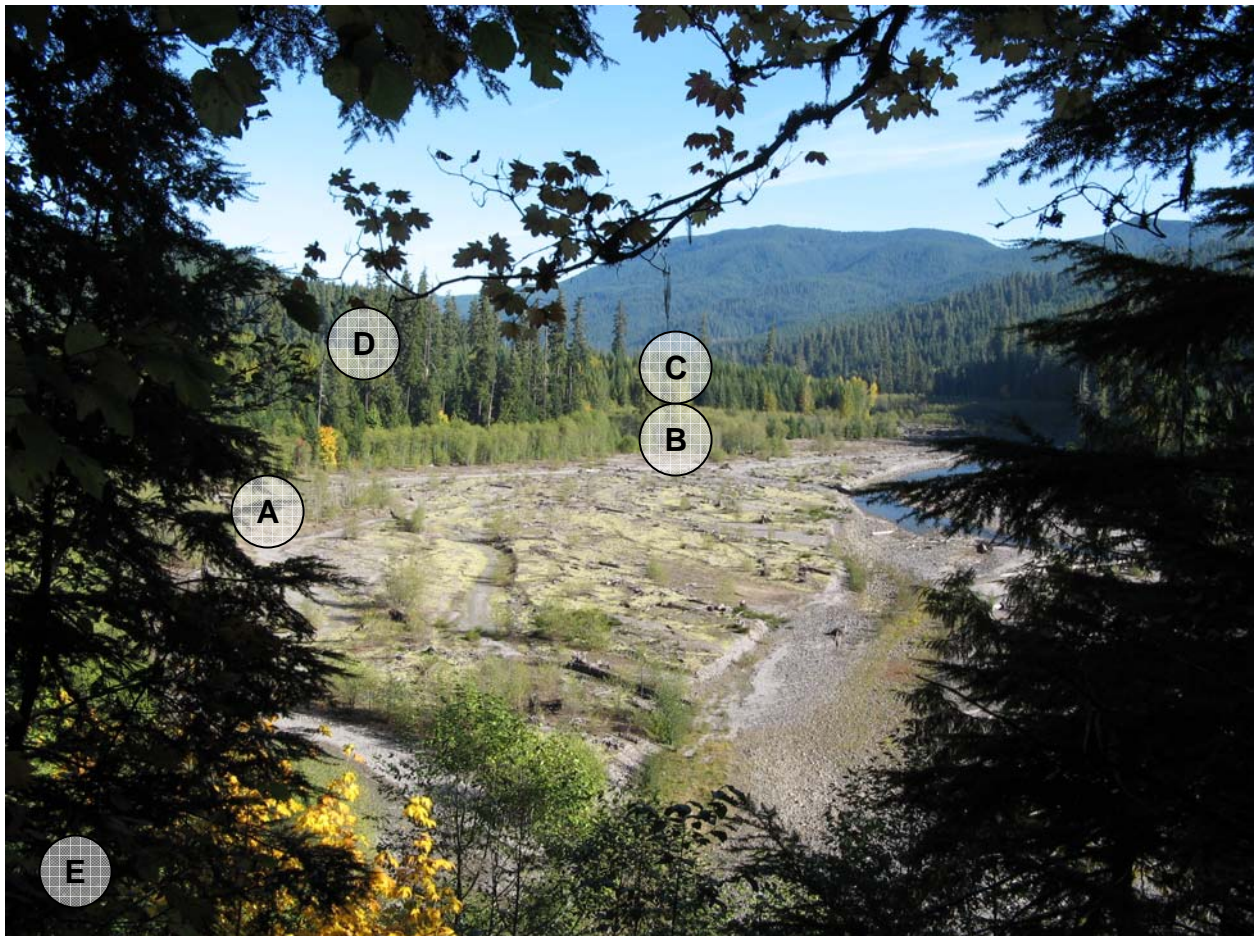


CFR501

Discussion Questions: #3

October 31, 2007

Wink 103	Wink 107	Anderson 22	Anderson 107A	Anderson 114	Blodel 261	Halpern Cave
Liz Perkin	Laura	Aaron	Paul	Karen	Ben	Royce
Nicole	Rachel	Keala	Sarah	Joy	Jason	Dara
Ian	John	Guang	Sonja	Ziyu	Jared	Chad
Reed	Kati	Esther	Lauren	Jorge	Joyce	Greg
Melissa	Michael	Brenda	Andy	Anna	Rachel	Cynthia



- 1) The Cedar Flats vicinity exhibits great diversity in stand age because of its position in a river valley. How old are the stands A, B, C, D, and E (the photo point)? Following disturbance at each site, what was the relative importance of substrate, seed source and legacies? What developments are probable over the next 50 years? Include discussion of the development of the current overstory, establishment under the canopy and recruitment into the canopy.

- 2) Halpern emphasizes the “importance of unpredictable phenomena in determining individual populations and entire communities.” Does this statement still hold once an initial vegetative complement has occupied a site? Describe at least one example and one counterexample from the field trips and readings (other than Halpern 1988 and Halpern 1989).
- 3) What if Douglas-fir did not form epicormic branches or reiterations? How would the development processes in the Western Hemlock Zone differ from those described in Franklin et al. 2002? Your discussion should include consequences ranging from seedling establishment to canopy tree recruitment patterns.
- 4) Since Glacier Bay is a National Park, Chris Fastie was restricted in the types of manipulation he could perform. What experiments would be most useful in revealing the competitive and facilitative relationships among species and the nature of succession at GBNP?